

REMARKS

This amendment is in response to the Official Action dated October 28, 2008. Claims 10, 14, and 19 have been amended; as such claims 10-14, 17-25, and 27-29 remain pending in this application. Claims 10, 14, 19 and 25 are independent claims. Reconsideration and allowance is requested in view of the claim amendments and the following remarks. No new matter has been added by this amendment.

Example Embodiment

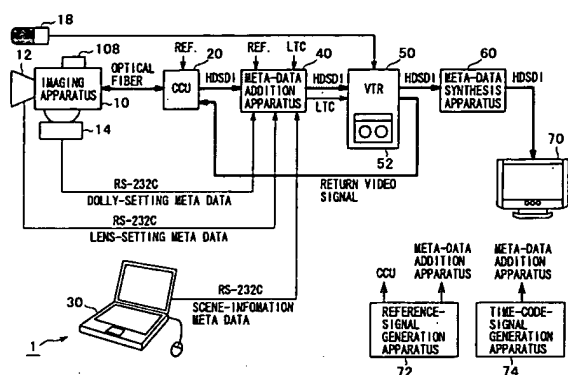


Fig. 1 illustrates an example embodiment of the present invention directed to an imaging system. The imaging system includes an imaging apparatus 10 (e.g., a camera), camera control unit 20, meta-data addition apparatus 40, a videotape recorder 50, meta-data synthesis apparatus 60, sound recorder 18, display 70, and input terminal 30. Imaging apparatus

10 produces a video signal that passes to meta-data addition apparatus 40 via camera control unit 20. Imaging apparatus 10 may include a lens 12 and a dolly 14. The lens 12 and dolly 14 maintain setting information, which is passed to the meta-data addition apparatus. Dolly 14 serves to position and track the location of imaging apparatus 10. Data input terminal 30 also provides meta-data associated with a current video signal. The meta-data addition apparatus 40 may combine various meta-data from the lens 12, dolly 14, and data input terminal 30 with the video signal received from the camera control unit to produce a combined video signal. Videotape recorder 50 records the combined video signal and data from sound recorder 18. The combined video from the videotape recorder may pass to meta-data synthesis apparatus 60, which may synthesize the meta-data and video signal, superimposing the meta-data on the video signal and passing the synthesized video signal to display 70. Display 70 may or may not be part of the imaging apparatus 10. The synthesized video allows a user to view a synthesized video, and thereby monitor various settings and conditions of the imaging apparatus and video signal.

Rejections under 35 U.S.C. § 102

Claims 19-20, 23, 25, 27, and 29 have been rejected under 35 U.S.C. § 102 as being anticipated by U.S. Patent No. 2004/0174451 to Okazaki et al. (“Okazaki”).

By example, claim 25 recites:

*A meta-data display system, comprising:
a meta-data synthesis apparatus for extracting at least a part of the meta-data associated with every frame of a video signal and synthesizing the extracted meta-data with the video signal to produce a synthesized video signal; and
an image capture apparatus for generating the video signal and the meta-data for every frame of the video signal;
wherein in the synthesized video, each video frame is visually combined with meta-data associated with that video frame, and the synthesized video signal is transmitted to the imaging apparatus; and
the image capture apparatus includes a display adapted to display the meta-data of the captured video content synchronously with the real-time video captured by the image capture apparatus.*

With respect to claim 25, Okazaki does not teach or suggest “*the image capture apparatus includes a display adapted to display the meta-data of the captured video content synchronously with the real-time video captured by the image capture apparatus.*”

The Office Action cites to Fig. 2B of Okazaki to reject claim 25. In describing Fig. 2B, Okazaki recites:

The character data stored in the buffer 40 is read at a clock rate of 24 MHz by the character combining circuit 42 so as to be combined with the YUV image data simultaneously read from the buffer 38. The encoder 44 converts

combined image data output from the character combining circuit 42 into a composite video signal, and applies the converted composite image signal to the LCD 46. Consequently, characters indicative of the optimal exposure time period and the optical aperture amount are displayed on the LCD 46 as shown in FIG. 2(B).

(Paragraph 32 of Okazaki)

The characters shown in Okazaki are not “*display[ing] the meta-data of the captured video content,*” but are instead displaying the optimal exposure time period and the optical aperture amount. That is, the display is not showing the actual values of the stored video, but the optimal setting for capture. Furthermore, even if Okazaki did show the current settings, Okazaki would fail to disclose the present invention. The invention is not claiming showing the current settings but the “*meta-data of the captured video content*”.

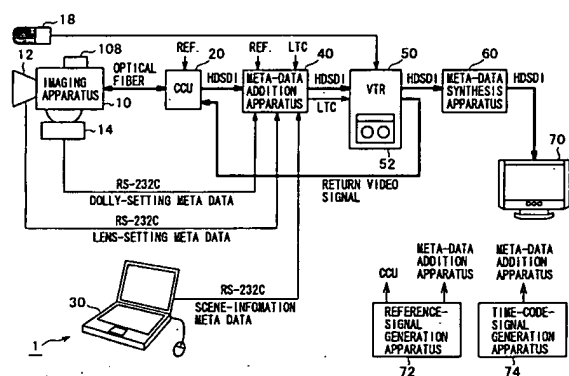


Fig. 1 illustrates an example embodiment of the present invention illustrate a ‘return video signal’ that provides the output of the VTR to the CCU. This provides the camera operator with critical information regarding the variables of the captured video signal. This is distinct from the camera setting, because it is information relating to immediately captured video

footage.

Accordingly, Okazaki fails to teach or suggest at least this feature of claim 25. For similar reasons, Okazaki fails to teach or suggest similar features of claim 19. Furthermore, at least for the reason disclosed above, claims 20, 23, 27, and 29 overcome Okazaki because they depend on independent claims 19 and 25.

Claims 10-12, 14, 17 and 18 have been rejected under 35 U.S.C. § 102 as being anticipated by U.S. Patent No. 6,532,039 to Anderson ("Anderson").

Similarly to claim 25, claim 10 now recites:

*A video-signal recording/reproduction apparatus comprising:
a recording/reproduction unit for recording and reproducing a video signal generated by an imaging apparatus as a video signal with every frame thereof, including additional meta data related to said video signal, onto and from a recording medium; and
a meta-data synthesis apparatus for extracting at least a part of said meta data from said video signal including said meta data added to every frame and synthesizing said extracted part with said video signal;
wherein said imaging apparatus receives, from said recording/reproduction unit, said video signal including said meta data and displays said meta-data, from said video signal, at the imaging apparatus synchronously as the video signal is recorded by the recording/reproduction unit.*

Like Okazaki, Anderson fails to teach or suggest “*wherein said imaging apparatus receives, from said recording/reproduction unit, said video signal including said meta data and displays said meta-data, from said video signal, at the imaging apparatus synchronously as the video signal is recorded by the recording/reproduction unit.*”

At best, Anderson discloses a device that operates in a capture and review modes. While images, such as logos, may be included into an image and shown in review mode, this does not illustrate the recited feature of a being able to “*displays said meta-data, from said video signal, at the imaging apparatus synchronously as the video signal is recorded by the recording/reproduction unit.*”

Therefore, Anderson fails to teach or suggest at least this feature of claim 10. For similar reasons, Anderson fails to teach or suggest the all the features of claim 14. Furthermore, at least for the reason disclosed above, claims 11, 12, 17, and 18 overcome Anderson because they depend on independent claims 10 and 14.

Accordingly, Applicant respectfully requests that the rejection of claims 10-12, 14, -20, 23, 25, 27, and 29 under 35 U.S.C. § 102 be withdrawn.

Rejections under 35 U.S.C. § 103

Claims 21-22, 24, and 28 have been rejected under 35 U.S.C. § 103 as being unpatentable over Okazaki in view of U.S. Pub. 2005/0104976 to Currans("Currans").

As previously described Okazaki does not disclose, teach or suggest at least the feature(s) of "a display for displaying the synthesized video signal synchronously with the real-time video captured by imaging apparatus," recited in claim 19, and "display adapted to display the meta-data of the captured video content synchronously with the real-time video captured by the image capture apparatus" recited in claim 25. Dependent claims 21-22 depend on independent claim 19 and therefore include the features of independent claim 19. Dependent claim 28 depends on independent claim 25.

Even assuming, arguendo, that Okazaki and Currans were combinable, Applicant submits that none of the cited references of Currans fails to cure the deficiencies of Okazaki with respect to at least the previously identified features of claims 19 and 25.

Therefore, Applicant respectfully requests that the rejection of claims 21-22 and 28 under 35 U.S.C. § 103(a) be withdrawn.

CONCLUSION

In view of the above amendment, applicant believes the pending application is in condition for allowance.

Applicant believes no fee is due with this response. However, if a fee is due, please charge our Deposit Account No. 18-0013, under Order No. SON-2972 from which the undersigned is authorized to draw.

Dated: January 28, 2009

Respectfully submitted,

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